

# 6AT8-A

## Medium-Mu Triode— Sharp-Cutoff Pentode

### 9-PIN MINIATURE TYPE

With Heater Having Controlled Warm-Up Time

The 6AT8-A is the same as the 6X8 except for the following items:

#### Electrical:

Heater, for Unipotential Cathode:

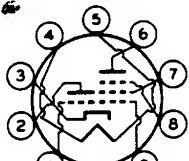
Voltage (AC or DC) . . . . .	6.3	volts
Current . . . . .	0.45 ± 6%	amp
Warm-up time (Average) . . . . .	11	sec

Direct Interelectrode Capacitances:

	Without External Shield	With External Shield <sup>▲</sup>	
<b>Triode Unit:</b>			
Grid to plate . . . . .	1.5	1.5	μμf
Grid to cathode and heater. . . . .	2	2.4	μμf
Plate to cathode and heater. . . . .	0.5	1	μμf
<b>Pentode Unit:</b>			
Grid No.1 to plate. . . . .	0.06 max.	0.03 max.	μμf
Grid No.1 to cathode, grid No.3, grid No.2, and heater. . . . .	4.6	4.8	μμf
Plate to cathode, grid No.3, grid No.2, and heater. . . . .	0.9	1.6	μμf
Pentode grid No.1 to triode plate. . . . .	0.05 max.	0.04 max.	μμf
Pentode plate to triode plate . . . . .	0.05 max.	0.008 max.	μμf
Heater to cathode . . . . .	6	6 <sup>●</sup>	μμf

#### Mechanical:

Basing Designation for BOTTOM VIEW. . . . . 9DW

Pin 1—Triode Grid		Pin 7—Pentode
Pin 2—Triode Plate		Grid No.2
Pin 3—Cathode		Pin 8—Pentode
Pin 4—Heater		Grid No.3
Pin 5—Heater		Pin 9—Pentode
Pin 6—Pentode Plate		Grid No.1

- ▲ With external shield JEDEC No.315 connected to cathode except as noted.  
● With external shield JEDEC No.315 connected to pentode plate.

← Indicates a change.



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DATA  
8-60